

Nathan Kim

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EDUCATION

University of California, Los Angeles
Bachelor of Science Statistics

Los Angeles, CA
Expected Graduation: June 2024

- GPA: 3.665 / 4.0
- Relevant courses: Introduction to Data Analysis and Regression, Introduction to Computation and Optimization for Statistics, Introduction to Statistical Models and Data Mining, Introduction to Text Mining Using R
- Dean's Honor List Fall 2022, Dean's Honor List Winter 2024

San Diego State University
Data Science

San Diego, CA
August 2020 – December 2021

- GPA: 3.95 / 4.0
 - Relevant courses: Calculus I/II/III, Linear Algebra, Introduction Java Programming, Intermediate Java Programming
 - College of Science Dean's List Fall 2020, College of Science Dean's List Spring 2021
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Professional Experience

Federal Communications Commission - San Diego, CA
Data Analyst Intern

June 2023 - Present

- Led a research project examining network providers' outage times at 911 call centers versus their FCC commitments, using various FCC databases and R programming for data cleansing to assess compliance.
 - Prepared in-depth datasets for analysis, involving extensive data cleansing and structuring using R programming, ensuring accurate and comprehensive data assessment.
 - Presented findings to FCC officials, influencing discussions on potential policy implementations to promote network company accountability.
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Project Experience

Bruin Sports Analytics – Los Angeles, CA

January 2023 – Present

Project 1: What's Happened to Son Heung Min and Ivan Perisic This Season?

- Investigated possession and ball touch data of Son Heung Min and Ivan Perisic from the English Premier League, analyzing their offensive contributions to the team.

Project 2: The Next Asian MLB Sensation

- Analyzed trends from the KBO and NPB, identifying athletes with potential for MLB success, focused on detailed player performance metrics.
- Organized research findings, consolidated original sports data, and published the article and R code on the club's website and GitHub to showcase findings and share insights with student audience

Project 3: Tennis Consulting

- Developed a video analysis-based metrics system to enhance UCLA tennis athletes' performance.
- Provided data visualizations for strategic improvements that led to measurable performance gains.

MLB Draft Analysis Project- Los Angeles, CA

March 2024 – Present

Project 4: Analyzing MLB Draft Bonuses and Career WAR Impact

- Coordinated MLB draft analysis project with Mr. Matt Marks to determine which factors are essential at predicting a player's career WAR value or Wins Above Replacement with prospect data from 2018 to 2020.
 - Constructed data visualizations with R and utilized machine learning techniques such as random forest models to predict a player's WAR status based on predictors such as draft round and signing bonus.
 - Presented results to Mr. Marks and discussed how to improve and expand the project's analysis to include players' minor league data and other demographic factors such as age, height, and weight.
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Skills

- Computer Skills: Microsoft Suite, Python-Pandas, Python-Numpy, Python-Matplotlib, R Markdown, SQL, Java, Tableau, Monte Carlo Markov Chains, Random Forest, Google Suite, Text Mining, Data Mining
- Languages: Korean, English, and Spanish